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U.S. DEPARTMENT OF LABOR

Earm No. LSB-OOS-4 May 1969

Supersedes issue of 8/23/72
WAGE AND LABOR STANDARDS ADMINISTRATION
Bureau of Labor Standards

MATERIAL SAFETY DATA SHEET

SI	ECTION I	
MANUFACTURER'S NAME		EMERGENCY TELEPHONE NO. A.C. 713
EXXON COMPANY, U.S.A. (A Division of E ADDRESS (Number, Street, City, State, and ZIP Code)	xxon Corpo	ration) Day 221-3424 Night 668-7024
P. O. Box 2180 Houston, Texas 770		Here had place to be the first transport to the contract of th
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS
Synthetic Turbo Oil		TURBO OIL 2389
CHEMICAL FAMILY Organic Ester	FORMULA Polyol	Esters and selected additives.

∳∜ SECTIO	N II	HAZAF	RDOUS INGREDIENTS		inger Springer
PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS		n.a.	BASE METAL		n.a.
CATALYST		n.a.	ALLOYS		n.a.
VEHICLE		n.a.	METALLIC COATINGS		n.a.
SOLVENTS		n.a.	FILLER METAL PLUS COATING OR CORE FLUX		n.a.
ADDITIVES		n.a.	OTHERS		
OTHERS					
HAZARDOUS MIXTURE	SOFC	THER LIG	NUIDS, SOLIDS, OR GASES	%	TLV (Units)
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	SECTION LIFE	HYSICAL DATA	
BOILING POINT (°F.) IBP-FBP	690-900°F	COCCLETC CONVITY (H-O=1)	0.955
VAPOR PRESSURE (mm Hg.) (a 20° C	< 0.0001	PERCENT VOLATILE BY VOLUME (%)	Negligib1
VAPOR DENSITY (AIR=1)	> 12	evaporation rate (n-Butyl Acetate = 1)	<0,001
SOLUBILITY IN WATER	Negligibl	•	
APPEARANCE AND ODOR Light straw			

FLASH POINT (Method used)	FLAMMABLE LIMITS	Lel	Uel
Cleveland Open Cup 450°F	Estimated	1 1/6	1 12/
EXTINGUISHING MEDIA			
Trans deve about and CO mater one	an or for		
Foam, dry chemical, CO2, water spr	ay or fog.		
Foam, dry chemical, CO2, water spr			
Foam, dry chemical, CO2, water spr			
Foam, dry chemical, CO ₂ , water spr SPECIAL FIRE FIGHTING PROCEDURES Use air-supplied rescue equipment	for enlcosed areas.		
Foam, dry chemical, CO2, water spr	for enlcosed areas.		

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE mist.

EFFECTS OF OVEREXPOSURE
Prolonged or repeated skin contact may cause mild skin irritation.

EMERGENCY AND FIRST AID PROCEDURES
In case of skin contact, wash with soap and water. If splashed into eyes, flush with clear water until irritation subsides.

STABILITY	ILITY UNSTABLE		CONDITIONS TO AVOID		
	STABLE	Х			
HAZARDOUS DEC	OMPOSITION PRODUC	TS		concentrated oxygen.	
HAZARDOUS	MAY OCC		NO Junp 2 C C	CONDITIONS TO AVOID	
POLYMERIZATION	WILLNO	TOCCUR	x		

SECTION VII SPILL OR LEAK PROCEDURES
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Recover free liquid. Add absorbent to spill area.
Keep petroleum products out of streams and waterways.
waste disposal method Incinerate absorbed material.

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	SECTION VIII SPECIA	AL PROTECTION IN	ORMATION
RESPIRATORY PROT	ection (Specify type) needed.		
VENTILATION	Local EXHAUST Needed only to capture he	ot fumes.	SPECIAL
	MECHANICAL (General)		OTHER '
PROTECTIVE GLOV Normally no		eye protection Normally not	needed.
	EQUIPMENT ous apron if needed.		

SEC	CTION IX SPECIAL PRECAUTIONS	Armania (Cristiania) Specifica (Cristiania)
PRECAUTIONS TO BE TAKEN IN HANDLING AND Keep containers closed. Keep	storing away from heat and open flame.	
PARTY CONTROL		
OTHER PRECAUTIONS Avoid breathing of oil mist.	Remove oil-impregnated clothing.	Wash thoroughly
after exposure.		

James W. Hammond

Director of Industrial Hygiene

Wm. G. Domask, Ph.D., P.E. Government Regulations Advisor

EXON COMPANY, U.S.A.

1800 AVENUE OF THE STARS • LOS ANGELES, CALIFORNIA 90067 • (213) 552-5591

MARKETING DEPARTMENT AVIATION TECHNICAL SERVICES C. H. GROVER DPM 5109 Lubricant, Dil

July 11, 1979

Mr. M. J. Veneroso Dept. C1-725 (52-11) Materials Handling & Packaging Engineering Douglas Aircraft Company 3855 Lakewood Blvd. Long Beach, California 90846

Dear Mr. Veneroso:

In answer to your C1-725-76 of 6/12/79 concerning shipping EXXON TURBO OIL 2380, please be advised:

- 1. DOT Proper Shipping Name None Prescribed
- 2. DOT Hazard Classification None Prescribed
- 3. Flash Point, Cleveland Open Cup 450°F
- 4. IATA Article Number Non Restricted

Attached per your request is OSHA Material Data Sheet concerning EXXON TURBO OIL 2380.

If we can be of further assistance, please do not hesitate to advise.

Very truly yours,

EXXON COMPANY, U.S.A.

CHG:cvn